

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-196546

(43)Date of publication of application : 06.08.1996

(51)Int.Cl.

A61B 17/56

(21)Application number : 07-249742

(71)Applicant : MITEK SURGICAL PROD INC

(22)Date of filing : 27.09.1995

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(30)Priority

Priority number : 94 312894

Priority date : 27.09.1994

Priority country : US

(54) BONE ANCHOR FOR ANCHORING SUTURE MATERIAL TO BONE, ANCHORING DEVICE AND METHOD OF DEPLOYING BONE ANCHOR

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a bone anchor which enables forming thereof at a very small dimension by arranging a housing, a puncturing part, a suture material mounting means for mounting a suture material on an anchor.

SOLUTION: A bone anchor 5 is mounted in a base end of a sleeve 215 and a puncturing part 20 is ejected into a lateral path 404 to biase the overall length of the sleeve downward until a suture hole 100 aligns a slot 385. Then, the suture material 415 is advanced through the slot 385 and the suturing hole 100 and a shaft is positioned at a retreating position. Then, the suture material 415 is elongated tensely along the overall length of the mounting device to be inserted through a slot of a shaft handle. Thereafter, the extreme end part of the suture material anchor 5 is arranged on the top part of a hole 420 of the bone 425 and the mounting device is operated to engage the extreme end of the sleeve 215 with the top surface 430 of the bone. The base end face of the shaft handle is pressed to biase the shaft of the mounting device at an elongated position thereby deploying the suture material anchor 5 in the bone.

